Table of Contents

Preface .................................................................................................................................................. xxiv

Volume I

Section 1
Fundamental Concepts and Theories

This section serves as a foundation for this exhaustive reference tool by addressing underlying principles essential to the understanding of Leadership and Personnel Management. Chapters found within these pages provide an excellent framework in which to position Leadership and Personnel Management within the field of information science and technology. Insight regarding the critical incorporation of global measures into Leadership and Personnel Management is addressed, while crucial stumbling blocks of this field are explored. With 12 chapters comprising this foundational section, the reader can learn and chose from a compendium of expert research on the elemental theories underscoring the Leadership and Personnel Management discipline.

Chapter 1
The Ethics Portfolio: Building and Promoting Ethical Culture in an Organization ......................... 1
   Laxmikant Manroop, Roosevelt University, USA
   Jennifer Harrison, NEOMA Business School, France

Chapter 2
The Origin of Servant Leadership: The Foundation of Leadership.................................................... 31
   Ben Tran, Alliant International University, USA

Chapter 3
Advertising Ethics in the Social Media Age ....................................................................................... 64
   Tanses Yasemin Gülsoy, Beykent University, Turkey

Chapter 4
Machine Ethics Interfaces: An Ethics of Perception of Nanocognition ............................................ 82
   Melanie Swan, Kingston University, UK

Chapter 5
Religious Ethics, General Ethics, and Engineering Ethics: A Reflection........................................ 108
   P. R. Bhat, Indian Institute of Technology Bombay, India
Chapter 6
Ethical Concerns in Human Enhancement: Advantages in Corporate/Organizational Settings........ 119

Ben Tran, Alliant International University, USA

Chapter 7
Teachers’ Professional Development in the Digitized World: A Sample Blended Learning Environment for Educational Technology Training................................................................. 145

Emsal Ates Ozdemir, Istanbul Sehir University, Turkey
Kenan Dikilitaş, Hasan Kalyoncu University, Turkey

Chapter 8
Integrating Multi-View Model and Agent Paradigm in the Supply Chain Design .................. 155

Souheila Boudouda, Abdelhamid Mehri Constantine-2 University, Algeria
Mahmoud Boufaida, Abdelhamid Mehri Constantine-2 University, Algeria

Chapter 9
Digital Pedagogy from the Perspective of Early Childhood Education.................................. 178

Michael Vitoulis, Alexander Technological Educational Institute of Thessaloniki, Greece
Evangelia Laloumi-Vidali, Alexander Technological Education Institute of Thessaloniki, Greece

Chapter 10
Introducing Educational Technology into the Higher Education Environment: A Professional Development Framework ............................................................................................................ 200

Linda Van Ryneveld, University of Pretoria, South Africa

Chapter 11
A Professional Development Framework for the Flipped Classroom Model: Design and Implementation of a Literacy and Math Integrated Professional Development Initiative .......... 211

Anne Katz, Armstrong State University, USA
Tricia Muldoon Brown, Armstrong State University, USA
Jackie Kim, Armstrong State University, USA

Chapter 12
A Conceptual Framework for Ethical Decision Making in Organizations: A Review of Ethical Triangle Model........................................................................................................... 239

Lilia Carolina Rodríguez Galván, Tecnologico de Monterrey – Queretaro, Mexico
Carlos Morán Dosta, Tecnológico de Monterrey – Sinaloa, Mexico

Section 2
Development and Design Methodologies

This section provides in-depth coverage of conceptual architecture frameworks to provide the reader with a comprehensive understanding of the emerging developments within the field of Leadership and Personnel Management. Research fundamentals imperative to the understanding of developmental processes within Leadership and Personnel Management are offered. From broad examinations to specific discussions on methodology, the research
found within this section spans the discipline while offering detailed, specific discussions. From basic designs to abstract development, these chapters serve to expand the reaches of development and design technologies within the Leadership and Personnel Management community. This section includes 12 contributions from researchers throughout the world on the topic of Leadership and Personnel Management.

Chapter 13
Ethics in Design: Teaching Engineering Ethics........................................................................................................ 257
James A. Stieb, Drexel University, USA

Chapter 14
Extending Business Processes with Mobile Task Support: A Self-Healing Solution
Architecture........................................................................................................................................ 273
Rüdiger Pryss, University of Ulm, Germany
Steffen Musiol, University of Ulm, Germany
Manfred Reichert, University of Ulm, Germany

Chapter 15
A Framework for Supporting In-Service Teachers to Use Domain-Specific Technologies for Instruction ........................................................................................................................................ 305
Louise Yarnall, SRI International, USA
Judith Fusco, SRI International, USA

Chapter 16
Museum Communication: Towards a Framework for Resource-Holder Relations Management ...... 336
Alfonso Siano, University of Salerno, Italy
Mario Siglioccolo, University of Salerno, Italy
Carmela Tuccillo, University of Salerno, Italy
Francesca Conte, University of Salerno, Italy

Chapter 17
Ecological Perspectives Surrounding the Design of Self-Determination-Enhanced Problem-Based Learning as a Formative Intervention for Students with Disabilities in Inclusive Settings........... 365
Soohnwa Seok, Korea University, South Korea
Boaventura DaCosta, Solers Research Group, USA
Woo Kim, Ja Hae Special School, Korea

Chapter 18
Byron Havard, University of West Florida, USA
Marlene L. East, University of West Florida, USA
Lakshmi Prayaga, University of West Florida, USA
Alex Whiteside, University of West Florida, USA
Chapter 19
Developing English Language Teachers’ Professional Capacities through Digital and Media Literacies: A Brazilian Perspective........................................................................................................407
Lucas Moreira dos Anjos-Santos, Monash University, Australia & CAPES Foundation, Brazil
Michele Salles El Kadri, State University of Londrina, Brazil
Raquel Gamero, State University of the North of Parana, Brazil
Telma Gimenez, State University of Londrina, Brazil

Chapter 20
Digital Rhetoric and Globalization: A Convergence-Continuum Model .............................................431
Gustav Verhulsdonck, University of Texas at El Paso, USA

Chapter 21
A Socio-Economic Model for Developing Ethics Code in a Multicultural Environment ..................470
Isaiah O. Ugboro, North Carolina A&T State University, USA
Chi Anyansi-Archibong, North Carolina A&T State University, USA

Chapter 22
A Framework for Defining and Evaluating Technology Integration in the Instruction of Real-World Skills ........................................................................................................................................481
J. Christine Harmes, Assessment Consultant, USA
James L. Welsh, University of South Florida, USA
Roy J. Winkelman, University of South Florida, USA

Chapter 23
Designing a cMOOC for Lecturer Professional Development in the 21st Century ...............................507
Thomas Cochrane, Auckland University of Technology, New Zealand
Vickel Narayan, Auckland University of Technology, New Zealand
Victorio Burcio-Martin, Auckland University of Technology, New Zealand

Chapter 24
Engineering Ethics in Technological Design ..............................................................................................................526
Giridhar Akula, Jawaharlal Nehru Technological University, India

Section 3
Tools and Technologies
This section presents an extensive coverage of various tools and technologies available in the field of Leadership and Personnel Management that practitioners and academicians alike can utilize to develop different techniques. These chapters enlighten readers about fundamental research on the many tools facilitating the burgeoning field of Leadership and Personnel Management. It is through these rigorously researched chapters that the reader is provided with countless examples of the up-and-coming tools and technologies emerging from the field of Leadership and Personnel Management. With 16 chapters, this section offers a broad treatment of some of the many tools and technologies within the Leadership and Personnel Management field.
Chapter 25
Executive Functions in Digital Games

Elizabeth Boyle, University of the West of Scotland, UK
Melody M. Terras, University of the West of Scotland, UK
Judith Ramsay, University of the West of Scotland, UK
James M. E. Boyle, University of Strathclyde, UK

Volume II

Chapter 26
Trust Management and Delegation for the Administration of Web Services

Michele Tomaiuolo, University of Parma, Italy

Chapter 27
A DSS User is a Happy Negotiator: The Impact of Decision Support on Emotional Behaviors in Text-Based Online Negotiations

Patrick Hippmann, University of Vienna, Austria

Chapter 28
Introducing iPads into Primary Mathematics Classrooms: Teachers’ Experiences and Pedagogies

Catherine Attard, University of Western Sydney, Australia

Chapter 29
Trust Management in Mobile Ad Hoc Networks for QoS Enhancing

Ryma Abassi, City of Communication Technologies, Tunisia

Chapter 30
The Context-Security Nexus in Ubiquitous Computing

M. Fahim Ferdous Khan, The University of Tokyo, Japan
Ken Sakamura, The University of Tokyo, Japan

Chapter 31
Augmentative and Alternative Communication Systems for the Motor Disabled

Alexandros Pino, National and Kapodistrian University of Athens, Greece

Chapter 32
Integrating Technology in Nurse Education: Tools for Professional Development, Teaching, and Clinical Experiences

Vivian H. Wright, University of Alabama, USA
Anjanetta Davis, University of South Alabama, USA

Chapter 33
Implications and Philosophical Requirements of a Comprehensive Dialectical Inquiry System

William Acar, Kent State University, USA
Douglas A. Druckenmiller, Western Illinois University, USA
Chapter 34
The Language of Video Intimacy: Marital Satisfaction Associated with the Use of Web Camera Communication in Long Distance Relationships ................................................................. 759

Heather Lee Strafaccia, Park University, USA

Chapter 35
System-Level Analysis of MPSoCs with a Hardware Scheduler ........................................ 777

Diandian Zhang, RWTH Aachen University, Germany
Jeronimo Castrillon, Dresden University of Technology, Germany
Stefan Schürmans, RWTH Aachen University, Germany
Gerd Ascheid, RWTH Aachen University, Germany
Rainer Leupers, RWTH Aachen University, Germany
Bart Vanthournout, Synopsys Inc., Belgium

Chapter 36
A Survey of MAC Layer Protocols to Avoid Deafness in Wireless Networks Using Directional Antenna ........................................................................................................ 813

Rinki Sharma, M. S. Ramaiah School of Advanced Studies, India
Govind Kadambi, M. S. Ramaiah School of Advanced Studies, India
Yuri A. Vershinin, Coventry University, UK
K. N. Mukundan, Broadcom Communication Technologies, India

Chapter 37
Computational Thinking and Mathematics: Possible Relationships Revealed by an Analysis of National Curriculum Guidelines ................................................................. 853

Thiago Schumacher Barcelos, Instituto Federal de Educação, Ciência e Tecnologia de São Paulo, Brazil & Universidade Cruzeiro do Sul, Brazil
Ismar Frango Silveira, Universidade Cruzeiro do Sul, Brazil & Universidade Presbiteriana Mackenzie, Brazil

Chapter 38
Teachers’ Use of Social Networking Sites for Continuing Professional Development .......... 866

Daniel Xerri, University of Malta, Malta

Chapter 39
Using Plug-Avatars “hhh” Technology Education as Service-Oriented Virtual Learning Environment in Sliding Mode .................................................................................. 890

Vardan Mkrttchian, Triple H Hamalsaran of HHH Technology Inc. (HHH University), Australia
Mikhail Kataev, Tomsk State University of Control System and Radio Electronics, Russia
Wu-Yuin Hwang, National Central University, Taiwan
Sarabjeet Singh Bedi, Rohilkland University, India
Anna Fedotova, Astrakhan State University, Russia
Chapter 40
STEM Learning in Middle Grades by Technology-Mediated Integration of Science and Mathematics: Results of Project SMILE ................................................................. 903
Pradeep Maxwell Dass, Northern Arizona University, USA
John T. Spagnolo, Appalachian State University, USA

Section 4
Utilization and Application

This section discusses a variety of applications and opportunities available that can be considered by practitioners in developing viable and effective Leadership and Personnel Management programs and processes. This section includes 16 chapters that review topics from case studies to best practices and ongoing research. Further chapters discuss Leadership and Personnel Management in a variety of settings. Contributions included in this section provide excellent coverage of today’s IT community and how research into Leadership and Personnel Management is impacting the social fabric of our present-day global village.

Chapter 41
Using Multimodal Discourse Analysis to Identify Patterns of Problem Solving Processes in a Computer-Supported Collaborative Environment ........................................... 923
Shannon Kennedy-Clark, Australian Catholic University, Australia
Kate Thompson, University of Sydney, Australia

Chapter 42
Using Technology to Examine Cultural Learning of African-Americans: Verbal and Nonverbal Messages of Deception .................................................................................. 948
Michael L. Whitley, Park University, USA

Chapter 43
The Value of Adaption and Innovation as a Function of Diversity .................................................. 972
Curtis Friedel, Virginia Tech, USA

Chapter 44
Supporting the Enactment of Standards-based Mathematics Pedagogies: The Cases of the CoDE-I and APLUS Projects .................................................. 991
Drew Polly, University of North Carolina at Charlotte, USA
Christie Martin, University of South Carolina at Columbia, USA
Chuang Wang, University of North Carolina at Charlotte, USA
Richard Lambert, University of North Carolina at Charlotte, USA
David Pugalee, University of North Carolina at Charlotte, USA

Chapter 45
An Efficient E-Negotiation Agent Using Rule-Based and Case-Based Approaches ....................... 1003
Amruta More, Maharashtra Institute of Technology, India
Sheetal Vij, Maharashtra Institute of Technology, India
Debajyoti Mukhopadhyay, Maharashtra Institute of Technology, India
Chapter 46
A Paradigm Shift for Teachers’ Professional Development Structure in Turkey: Moving from Instruction to Learning
Murat Günel, TED University, Turkey
Melike Özer-Keskin, Gazi University, Turkey
Nilay Keskin-Samanç, Gazi University, Turkey

Chapter 47
Cross-Border Collaborative Learning in the Professional Development of Teachers: Case Study – Online Course for the Professional Development of Teachers in a Digital Age
Rafi Davidson, Kaye Academic College of Education, Israel
Amnon Glassner, Kaye Academic College of Education, Israel

Chapter 48
Software Engineering Ethics Education: Incorporating Critical Pedagogy into Student Outreach Projects
Gada Kadoda, University of Khartoum, Sudan

Chapter 49
Case-Based Reasoning and Some Typical Applications
Durga Prasad Roy, National Institute of Technology, India
Baisakhi Chakraborty, National Institute of Technology, India

Chapter 50
Teacher Insight on RTI Implementation at the Middle and High School Levels: A Comparative Case Study
Pam Epler, Grand Canyon University, USA

Volume III
Chapter 51
High School Turnaround: A Case Study
Rebecca Stobaugh, Western Kentucky University, USA
Wanda G. Chandler, Western Kentucky University, USA
Crystal White, Kentucky Department of Education, USA

Chapter 52
Using the Flipped Classroom Instructional Approach to Foster a Mathematics-Anxious-Friendly Learning Environment
Chris L. Yuen, SUNY Buffalo, USA
Chapter 53
Using Reason Racer to Support Argumentation in Middle School Science Instruction .................................. 1192
  Marilyn Ault, University of Kansas, USA
  Jana Craig-Hare, University of Kansas, USA
  James D. Ellis, University of Kansas, USA
  Janis Bulgren, University of Kansas, USA
  Isa Kretschmer, Independent Researcher, USA
  Bruce B. Frey, University of Kansas, USA

Chapter 54
Public Art, Digital Technology, and Building Teacher Capacity ................................................................. 1224
  Narelle Lemon, La Trobe University, Australia

Chapter 55
Conducting Ethical Research: Reflections on Networked Saudi Society ............................................. 1252
  Sunila Lobo, University of Reading, UK

Chapter 56
Behavior and Ethical Problems in the Functioning of the Operating Theater (Case Study) ............ 1272
  Anita Wójcik, Military Clinical Hospital No. 10 in Bydgoszcz, Poland
  Michał Chojnacki, Nicolaus Copernicus University in Toruń, Collegium Medicum in
  Bydgoszcz, Poland

Section 5
Organizational and Social Implications

This section includes a wide range of research pertaining to the social and behavioral impact of Leadership and Personnel Management around the world. Chapters introducing this section critically analyze and discuss trends in Leadership and Personnel Management. Also investigating a concern within the field of Leadership and Personnel Management is research which discusses the effect of user behavior on Leadership and Personnel Management. With 16 chapters, the discussions presented in this section offer research into the integration of global Leadership and Personnel Management as well as implementation of ethical and workflow considerations for all organizations.

Chapter 57
Primary Grades Teachers’ Fidelity of Teaching Practices during Mathematics Professional Development .......................................................................................................................... 1299
  Christie Martin, University of South Carolina at Columbia, USA
  Drew Polly, University of North Carolina at Charlotte, USA
  Chuang Wang, University of North Carolina at Charlotte, USA
  Richard Lambert, University of North Carolina at Charlotte, USA
  David Pugalee, University of North Carolina at Charlotte, USA

Chapter 58
Systematic Support for STEM Pre-Service Teachers: An Authentic and Sustainable Four-Pillar Professional Development Model .......................................................................................................................... 1317
  Reenay R.H. Rogers, University of West Alabama, USA
  Jodie Winship, University of West Alabama, USA
  Yan Sun, University of West Alabama, USA
Chapter 59
Teaching Engineering Ethics in the Classroom: Issues and Challenges ................. 1334
Josep M. Basart, Universitat Autònoma de Barcelona, Spain

Chapter 60
Ethics is Not Enough: From Professionalism to the Political Philosophy of Engineering .......... 1350
Carl Mitcham, Colorado School of Mines, USA

Chapter 61
Engineering Ethics Education: Issues and Student Attitudes ........................................ 1383
Balamuralithara Balakrishnan, Universiti Pendidikan Sultan Idris, Malaysia

Chapter 62
Teaching Ethics to Engineering Students in India: Issues and Challenges ......................... 1394
Reena Cheruvalath, Birla Institute of Technology and Science, Pilani – K. K. Birla Goa Campus, India

Chapter 63
The Role of Ethical Leadership in Ethical Organizations: A Literature Review .................. 1406
Kijpokin Kasemsap, Suan Sunandha Rajabhat University, Thailand

Chapter 64
Internal Communication in EU Project Management in Bucharest University of Economic Studies ................................................................. 1431
Andra Florina Irinca, Bucharest University of Economic Studies, Romania

Chapter 65
Quantitative Concession Behavior Analysis and Prediction for Decision Support in Electronic Negotiations ............................................................. 1469
Réal A. Carbonneau, Concordia University, Canada
Rustam Vahidov, Concordia University, Canada
Gregory E. Kersten, Concordia University, Canada

Chapter 66
Impact of a Professional Development Programme on Trainee Teachers’ Beliefs and Teaching Practices ................................................................. 1484
Yasemin Kırkgöz, Çukurova University, Turkey

Chapter 67
Multimodality in the Preparation of Teachers of the Social Studies .......................... 1501
Margaret E. Bérci, College of Staten Island/CUNY, USA

Chapter 68
The Pivotal Role of Faculty in Online Student Engagement and Retention ...................... 1537
Judi Simmons Estes, Park University, USA
Chapter 69
Business Ethics is Socio-Political, or Not at All: The Case of Roşia Montana............................... 1560
Ana-Maria Pascal, Regent’s University London, UK

Chapter 70
Manifestation of Ethical Consumption Behaviour through Five Precepts of Buddhism............... 1591
Nilanthi Ratnayake, University of Hull, UK
Dushan Chaminda Jayawickrama, University of Sri Jayewardenepura, Sri Lanka

Chapter 71
Factors that Contribute to Students’ Course Satisfaction While Attending Online or Distance Learning Courses ................................................................. 1612
Dinah A. Esquivel, Esquivel Consulting LLC, USA

Chapter 72
The Role of Performance Management Practices on Organizational Performance: A Functional Framework ............................................................................. 1635
Kijpokin Kasemsap, Suan Sunandha Rajabhat University, Thailand

Section 6
Managerial Impact

The 9 chapters within this section present contemporary coverage of the social implications of Leadership and Personnel Management, more specifically related to the corporate and managerial utilization of information sharing technologies and applications, and how these technologies can be extrapolated to be used in Leadership and Personnel Management. Equally as crucial, chapters within this section discuss how leaders can utilize Leadership and Personnel Management applications to get the best outcomes from their governors and their citizens.

Chapter 73
Realising the Potential of MOOCs in Developing Capacity for Tertiary Education Managers ...... 1660
Chinh Nguyen, University of Melbourne, Australia
Heather Davis, University of Melbourne, Australia
Geoff Sharrock, University of Melbourne, Australia
Kay Hemsall, University of Melbourne, Australia

Chapter 74
Mobile Phone Usage in Organizational Communication and Decision-Making: Experience of Employees in a Multinational Company’s China Branch ................................................. 1673
Yun Xia, Rider University, USA
Yuping Mao, Erasmus University, The Netherlands

Chapter 75
The Role of Teacher Leadership for Promoting Professional Development Practices ............... 1690
Patricia Dickenson, National University, USA
Judith L. Montgomery, University of California Santa Cruz, USA
Volume IV

Chapter 76
Teamwork Assessment and Self/Peer Evaluation in Higher Education................................................. 1713
   Tomayess Issa, Curtin University, Australia

Chapter 77
Management as a Limit to Organizational Change: Implications for Acquisitions......................... 1730
   David R. King, Iowa State University, USA

Chapter 78
Codes of Ethics, Ethical Behavior, and Organizational Culture from the Managerial Approach: A
Case Study in the Colombian Banking Industry.................................................................................. 1750
   Marta Villegas, Consultant and Researcher in Business Ethics and CSR, Colombia
   Michael H. McGivern, Jones International University (JIU), USA

Chapter 79
Engaging Software Engineering Students with Employability Skills.............................................. 1765
   Jocelyn Armarego, Murdoch University, Australia

Chapter 80
Teacher Professional Development: Remote Podcasting and Metacognitive Strategies .............. 1803
   Tsung-Jui Tsai, National Dong Hwa University, Taiwan
   Ya-Chun Shih, National Dong Hwa University, Taiwan

Chapter 81
Theory U and Team Performance: Presence, Participation, and Productivity............................ 1833
   Jay Hays, Swinburne University of Technology, Australia

Section 7
Critical Issues

This section contains 12 chapters, giving a wide variety of perspectives on Leadership and Personnel Management and its implications. Within the chapters, the reader is presented with an in-depth analysis of the most current and relevant issues within this growing field of study. Crucial questions are addressed and alternatives offered along with theoretical approaches discussed.

Chapter 82
Becoming Teacher Researchers: Using English Learners’ Linguistic Capital to Socially Re-
Organize Learning ...................................................................................................................... 1857
   Aria Razfar, University of Illinois at Chicago, USA
   Beverly Troiano, Elmhurst College, USA
   Ambareen Nasir, University of Illinois at Chicago, USA
   Eunah Yang, Independent Researcher, South Korea
   Joseph C. Rumenapp, Judson University, USA
   Zayoni Torres, University of Illinois at Chicago, USA
Chapter 83
Ethics in Management and Institutionalization of Ethics ................................. 1895
İlknur Sayan, Academic Hospital, Turkey
Güngör Karaca, Istanbul Aydın University, Turkey

Chapter 84
Ethical Theories and Teaching Engineering Ethics ........................................... 1915
Michael S. Pritchard, Western Michigan University, USA
Elaine E. Englehardt, Utah Valley University, USA

Chapter 85
Prospects and Challenges of Teaching Religious Ethics in Nigerian Universities .... 1925
Finomo Julia Awajisuk, University of Port Harcourt, Nigeria

Chapter 86
Challenges in Ethics Education: A Process and Content Analysis ....................... 1938
Chi Anyansi-Archibong, North Carolina A&T State University, USA

Chapter 87
Voicing Possibilities: A Performatve Approach to the Theory and Practice of Ethics in a Globalised World ................................................................. 1955
Mark G. Edwards, University of Western Australia, Australia
David A. Webb, University of Western Australia, Australia
Stacie Chappell, Western New England University, USA
Nin Kirkham, University of Western Australia, Australia
Mary C. Gentile, Babson College, USA

Chapter 88
Taking Making Into the Schools: An Immersive Professional Development Approach ........ 1982
Susan E. Crichton, University of British Columbia – Okanagan, Canada
Deb Carter, University of British Columbia – Okanagan, Canada

Chapter 89
Libraries at the Crossroads: Challenges of Serving Library Users in a Social Media Environment – Ethical Considerations ................................................. 2009
Akakandelwa Akakandelwa, University of Zambia, Zambia

Chapter 90
Medical Ethics and Undergraduate Training: The Ground Reality and Remedial Action ........ 2025
Ayesha Ahmad, Hamdard Institute of Medical Sciences and Research, India
Pareesa Rabbani, Era’s Medical College, India
Shipra Kanwar, Era’s Medical College, India
Ranoji Vijaysingh Shinde, KKU, Saudi Arabia
Tamkin Khan, Jawaharlal Nehru Medical College-AMU College, India
Chapter 91
Mind Mapping for Critical Thinking ................................................................. 2032
   Roxanne M. O’Connell, Roger Williams University, USA

Chapter 92
Identifying Group Processes and Affect in Learners: A Holistic Approach to Assessment in
Virtual Worlds in Higher Education ................................................................. 2056
   Kate Thompson, The University of Sydney, Australia
   Lina Markauskaite, The University of Sydney, Australia

Chapter 93
Widening the Industrial Competence Base: Integrating Ethics into Engineering Education ........ 2083
   Pia Lappalainen, Aalto University, Finland

Section 8
Emerging Trends

This section highlights research potential within the field of Leadership and Personnel Management while exploring
uncharted areas of study for the advancement of the discipline. Introducing this section are chapters that set the
stage for future research directions and topical suggestions for continued debate, centering on the new venues and
forums for discussion. A pair of chapters on space-time makes up the middle of the section of the final 9 chapters,
In all, this text will serve as a vital resource to practitioners and academics interested in the best practices and
applications of the burgeoning field of Leadership and Personnel Management.

Chapter 94
Conflict Resolution and Ethical Decision-Making for Engineering Professionals in Global
Organizations ........................................................................................................ 2097
   Charles R. Feldhaus, Indiana University – Purdue University Indianapolis, USA
   Julie Little, Indiana University – Purdue University Indianapolis, USA
   Brandon Sorge, Indiana University – Purdue University Indianapolis, USA

Chapter 95
Ethical Research Methods and Practice in the Twenty-First Century ................................. 2121
   Chi Anyansi-Archibong, North Carolina A&T State University, USA

Chapter 96
Evolving Pedagogy and Practice: The 1:1 Mathematics Classroom through a TPACK Lens........ 2135
   Susan Hennessey, University of Vermont, USA
   Mark W. Olofson, University of Vermont, USA
   Meredith J. C. Swallow, University of Vermont, USA
   John M. Downes, University of Vermont, USA

Chapter 97
An Investigation of a Computer Training Company’s Migration to a New Distance Learning
Platform and the Implementation of an Online Professional Development Program .................. 2162
   Denis Rudd, New Horizons Computer Learning Centers, USA
   Carianne Bernadowski, Robert Morris University, USA
Chapter 98
Virtual School of the Smokies ................................................................. 2178
  Lisa Bloom, Western Carolina University, USA
  Sharon Dole, Western Carolina University, USA

Chapter 99
Effective Change in Educational Institutions: Does the Construct of Power Influence Management and Leadership Models in Everyday Professional Practice? ................................................................. 2194
  Evgenia Theodotou, University of East London, UK
  Avraam Papastathopoulos, Abu Dhabi University, UAE
  Panagiotis Koutsouvelis, Metropolitan College, Greece

Chapter 100
Newly Created Heterogeneous Groups: The Time to Adjust to Significant Race and/or Gender Differences ........................................................................................................ 2213
  Theodore E. Davis Jr., State University of New York College at Buffalo, USA

Chapter 101
Dynamics of Knowledge Renewal for Professional Accountancy Under Globalization .......................... 2223
  Artie W. Ng, Seneca College of Applied Arts and Technology, Toronto, Canada
  Florence Ho, The Hong Kong Polytechnic University, China

Chapter 102
Preparing Tomorrow’s Library Managers: Exploring Leadership and Succession Planning at The University of the West Indies Libraries .................................................. 2239
  Evadne McLean, The University of the West Indies – Mona Campus, Jamaica
  Mark-Shane Scale, The University of the West Indies – Mona Campus, Jamaica
  Margaret D. Rouse-Jones, The University of the West Indies – St. Augustine Campus, Trinidad and Tobago

Index .............................................................................................................. xxvii